

M0450046

**Leslie Heppler - Re: Bolinder**

**From:** Leslie Heppler  
**To:** Larry\_Garahana@blm.gov  
**Date:** 4/12/2010 8:18 AM  
**Subject:** Re: Bolinder  
**Attachments:** 01112006Upsurety.xls

This is what I have in my database :

- Permitted 32 Acres
- Bond \$100,000
- Bond escalation date of 10/30/2011

Note the attachment of a 2011 escalation for 34.9 acres at \$74,100.

Due to the dollar amount of the current bond, I am not overly concerned, during my last inspection (yet to write up) I had noted the roads to the North. It was clear that they were part of the mining operation, but I want to go and investigate where they went. The roads had been upgraded they are showing as outside of their plan (No - nothing new has been submitted to me, hence I have yet to comment on the roads.)

I concur that they don't need to up their bond amount at this time, but I would like to see it updated before the 10/30/2011.

If the 2 roads to the north is part of their operation, I would like the plan to reflect the roads and what ever ground disturbance that they lead to.

Leslie Heppler  
Utah Division of Oil, Gas & Mining  
(801) 538-5257 (Mon thru Thur)  
[lheppler@utah.gov](mailto:lheppler@utah.gov)

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APR 12 2010

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>>> <Larry\_Garahana@blm.gov> 4/9/2010 9:34 AM >>>

*sent*  
-----  
*Received*

Leslie, I'm not sure if Bolinder has sent this info to you. I required them to send me a new map with all of their modifications since they became the operator so I could up-date their plan. Looking at the original plan I realized that they were outside the area to the west that was on the original plan with Hullinger (Hullinger was always outside the permitted area), so I had them re-survey and modify their boundary, include the scale and gate, signs, well, water tanks, etc. I don't believe what they have done should increase their bond at this time, but as we (BLM & DOGM) do, we will check the amount as time goes by and let them know if and when it needs to be increased.

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Let me know your thoughts on this. I am drafting a letter that acknowledges the modification(s) and that BLM is good with it. It will have language that they need concurrence with you also.

Thanks.

(See attached file: bolinder modification 031510.pdf)

Larry Garahana  
Geologist  
BLM, Salt Lake Field Office  
801-977-4371 w  
801-824-1519 c  
Larry\_Garahana@blm.gov

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SURETY ESTIMATE UPDATE

McFarland & Hullinger  
SiO2

FILE # M/045/046

Tooele County

11-Jan-06

Prepared by Utah Division of Oil, Gas & Mining

Last Update #####

DESCRIPTION:

- Previous reclamation surety estimate was \$62,500 in year 2005 dollars
- Reclamation Estimate base amount calculated in 2000-\$
- This update adjusts the surety amount for escalation only.**

Variance to allow 55 degree highwall where bedding forms the highwall Pit end-wall to be 30 degrees

Top soil to be placed at 6" on pit floors - Because soil inventory will be insufficient, amended overburden placed at a 6" depth, will be used to cover the remaining area of the pit floor.

- Escalation factors through 2004 are actual Means Historical Cost Indices
- Total disturbed area = 34.9 ACRES

CALCULATIONS F = P(1 + i)**n	YR	ESCAL FACTOR	BOND AMOUNT
	1995	0.0193	\$0.00
F = Future Sum	1996	0.0242	\$0.00
P = Present Sum	1997	0.0236	\$0.00
i = Escalation Factor	1998	0.0502	\$0.00
n = number of periods	1999	0.0191	\$0.00
	2000	0.0244	\$62,500
Three Yr Average =1.20%	2001	0.0421	\$65,131
Used to Project 5 Yrs	2002	0.0171	\$66,245
From the Year 2005	2003	0.0084	\$66,801
	2004	0.0200	\$68,137
	2005	0.0120	\$68,955
	2006	0.0120	\$69,783
	2007	0.0120	\$70,620
	2008	0.0120	\$71,467
	2009	0.0120	\$72,325
	2010	0.0120	\$73,193
	2011	0.0120	\$74,071
Updated Surety Amount Rounded (2011-\$)			\$74,100

\*\* Average cost per acre = 2123 (\$/ACRE)

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**APR 12 2010**  
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Bolinder Resources requests your permission to take the following actions to modify our current plan under U-77020:

- ❖ Install a gate to protect untrained personnel from entering the potentially dangerous quarry. (see "GATES" on map)
- ❖ Put up signs to not only comply with necessary MSHA regulations, but also to warn others of possible dangers. Below are the Contents of the signs:
  - "DANGER HIGH WALL" (see figure 1 below, portable sign)
  - "DANGER FALLING ROCK" (see figure 2 below, portable sign)
  - DRIVER ENTERING QUARRY (see figure 3 below, sign is mounted on "SCALE HOUSE",)
- ❖ Extend bermed (boulder border) area around mining area
  - We plan on placing surface boulders along the west entrance to the quarry (see "STONE WALL" on map)
    - We will place the rocks using a track-hoe with a thumb as well as a dump-truck
- ❖ Extending Mining Boundary as per map.
- ❖ Dig well to provide water for dust control in quarry and surrounding area (see "WELL" on map)
- ❖ Install Water tanks to prevent excessive dust in quarry and surrounding area (see "WATER TANK" on map)
- ❖ Enlarge silica-sand stockpile area; the following precautions will be taken to prevent contamination from Barney's Canyon Ore (see "PROPOSED SAND STOCKPILE" on map)
  - Mixed silica (containing Barney's Canyon Ore) will only be stockpiled on the portion of the stockpile where existing liner is already in place
  - A berm will be in place to prevent run-off water from pad.
- ❖ Relocate existing Barney's Canyon Ore stockpile (see "BC STOCKPILE" on map)
- ❖ Install truck scale & scale-house to weigh trucks hauling material from the quarry (see "SCALE" & "SCALE HOUSE" on map)

Sincerely,

  
Stacey M. Bolinder

2010 MAR 16 AM 10:45

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Figure 1



Figure 2

READ BEFORE PROCEEDING

\*NO EXCEPTIONS\*

THIS IS YOUR HAZARD TRAINING

FOR THIS SITE

MSHA ID#42-01247

- Surface mining operation hazard area
- No unauthorized visitors
- Hard hats, eye and ear protection required
- Speed limit is 5 m.p.h.
- Stay in vehicle except at scales
- Stay on roadways
- No unauthorized persons on equipment at any time.
- Watch your step in and around scale house & all other areas
- Heavy equipment has the right of way

Failure to Comply Constitutes Violation of State and/or Federal Law

-Bolinder Resources, LLC

Figure 3

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FOUND SECTION CORNER  
 FOUND SECTION LINE  
 QUARTER SECTION LINE  
 SECTION LINE



LOCATED IN  
 SECTION 21 & 22  
 T4N R26E S21E  
 SAGE FLAKE BASIN AND MERRIAM  
 TOOELE COUNTY, UTAH

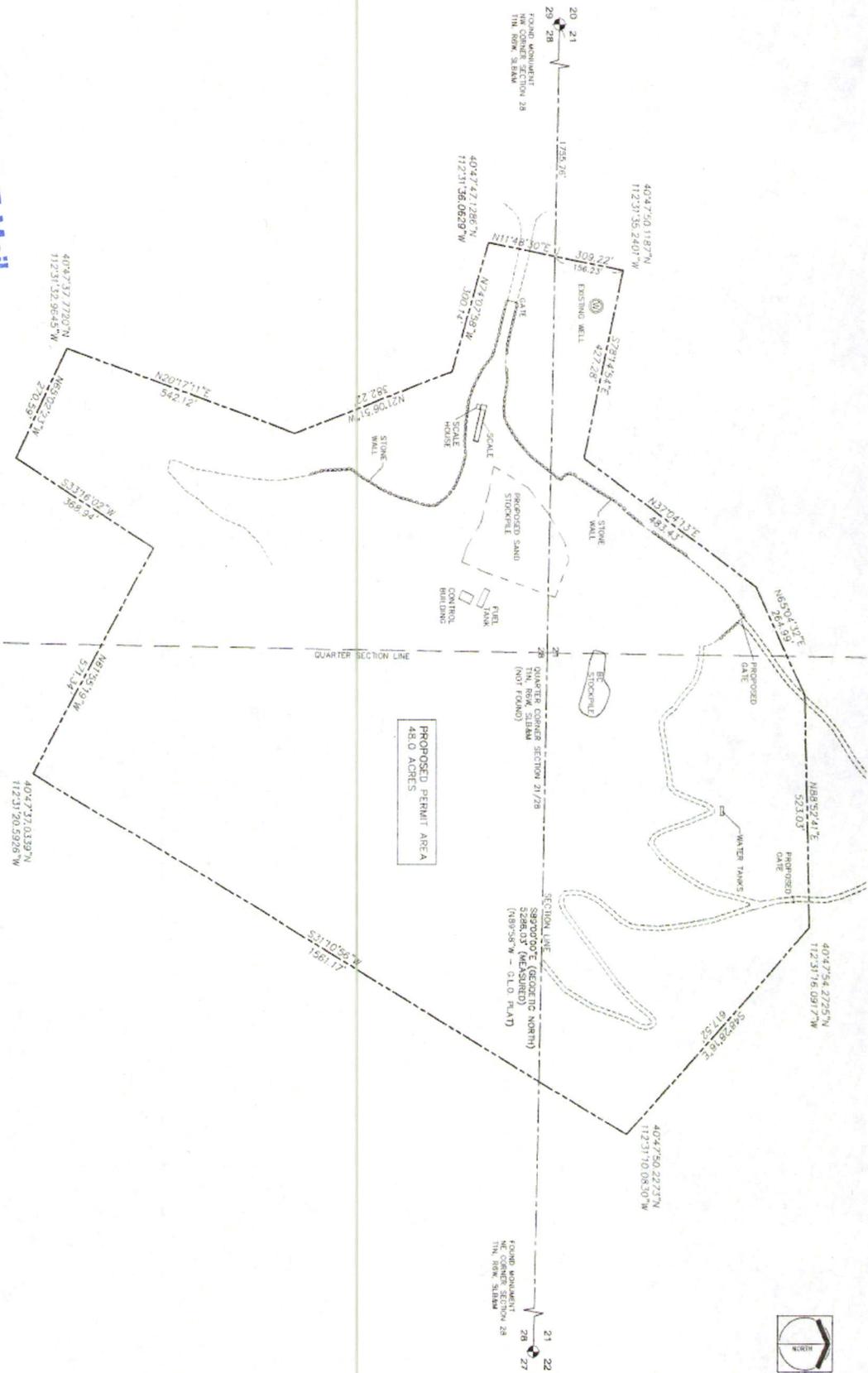
SHEET 1 of 1

BOLINDER RESOURCES, LLC.  
 MINING CLAIM EXHIBIT  
 TOOELE COUNTY, UTAH

DATE	BY	COMMENTS

BASELINE SURVEYING, Inc

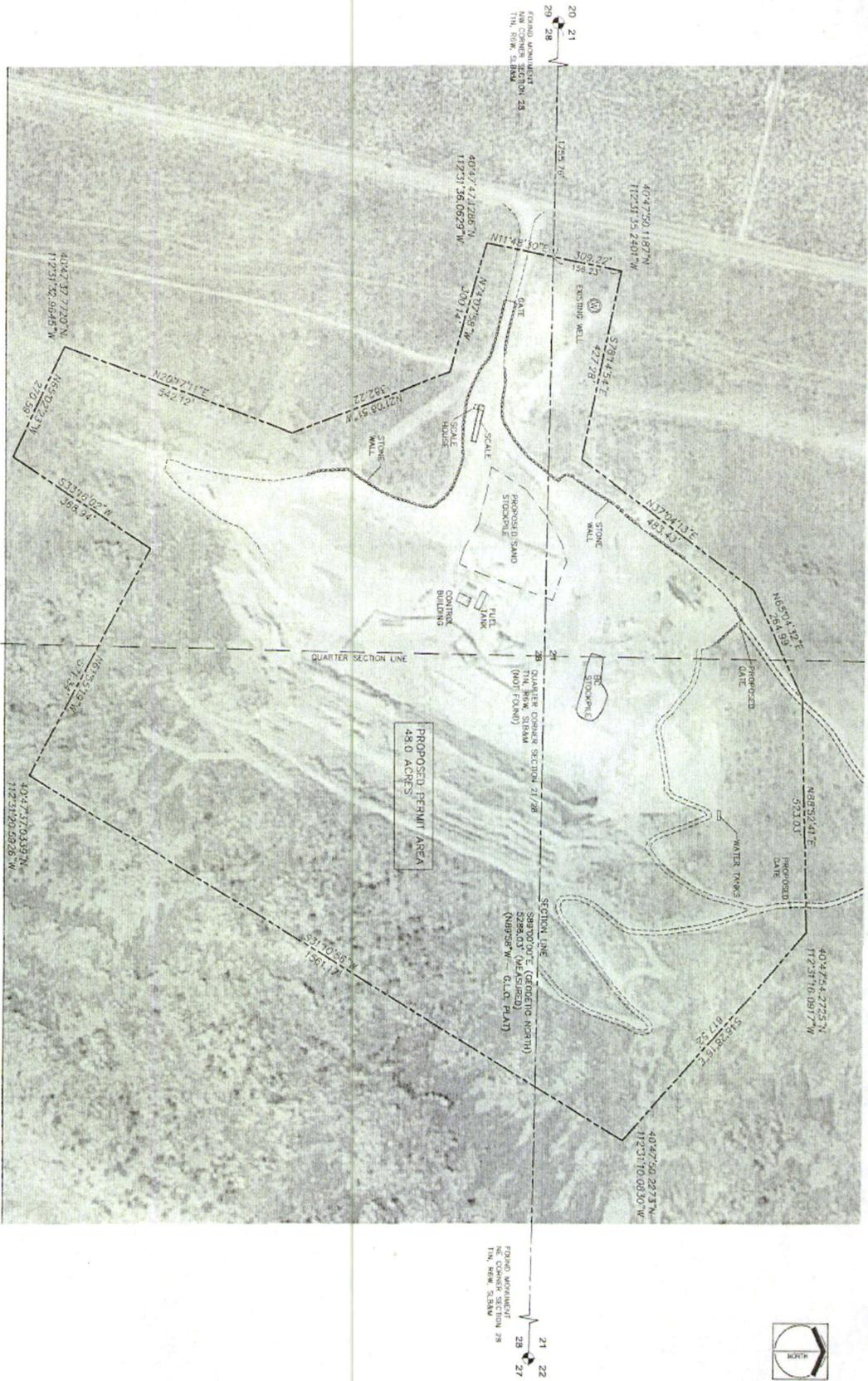
1008 East 2100 South  
 Salt Lake City, UT 84116 (801) 284-2102



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APR 09 2010

Div. of Oil, Gas & Mining



LEGEND  
 FOUND SECTION CORNER  
 FOUND SECTION LINE  
 QUARTER SECTION LINE  
 SECTION LINE



LOCATED IN  
 SECTION 21 & 28  
 S. 11 T. 40 N. R. 20 E.  
 TOOELE COUNTY, UTAH

SHEET  
 1 of 1

BOLINDER RESOURCES, LLC.  
 MINING CLAIM EXHIBIT  
 TOOELE COUNTY, UTAH

NO. 21	NO.
NO. 22	NO.
NO. 23	NO.
NO. 24	NO.
NO. 25	NO.
NO. 26	NO.
NO. 27	NO.
NO. 28	NO.
NO. 29	NO.
NO. 30	NO.
NO. 31	NO.
NO. 32	NO.
NO. 33	NO.
NO. 34	NO.
NO. 35	NO.
NO. 36	NO.
NO. 37	NO.
NO. 38	NO.
NO. 39	NO.
NO. 40	NO.

DATE	BY	REVISIONS	COMMENTS

BASILINE SURVEYING, Inc

1000 East 1100 South  
 Salt Lake City, UT 84105  
 (801) 208-2152